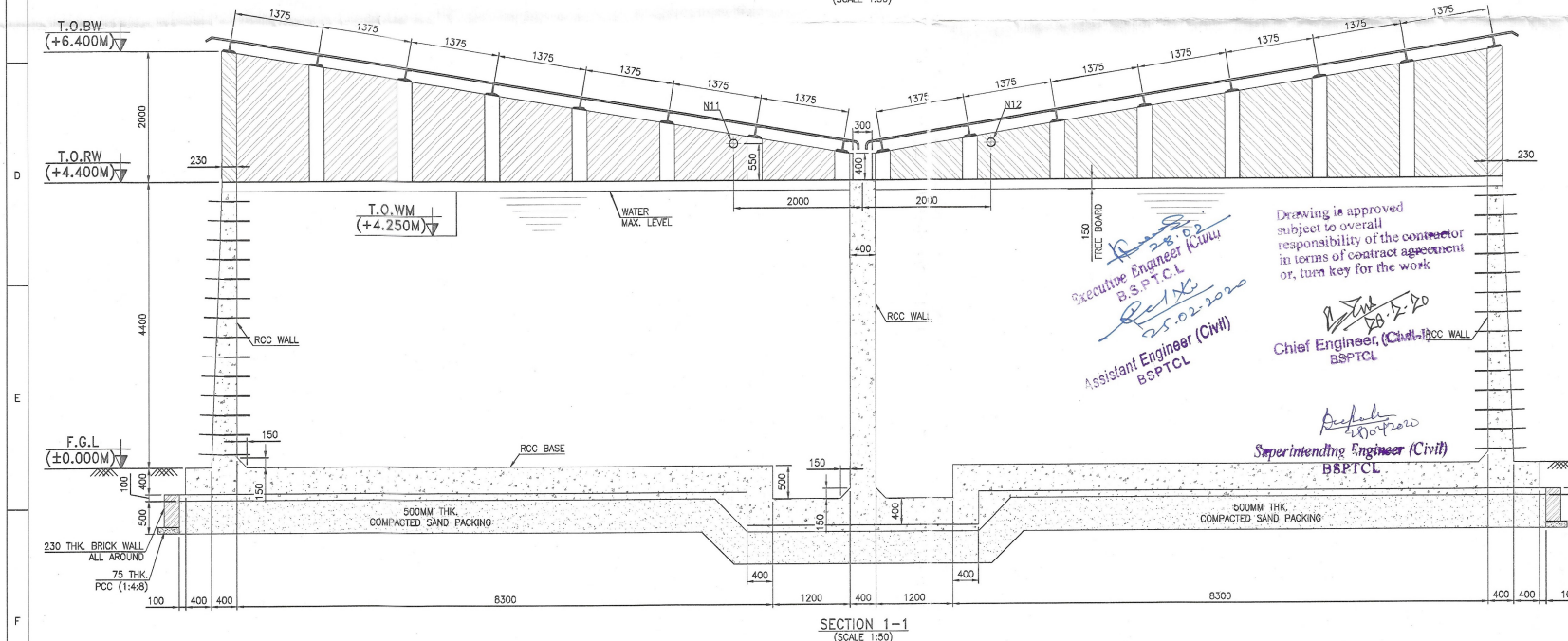


PLAN AT +4.400M LEVEL  
(SCALE 1:50)



SECTION 1-1  
(SCALE 1:50)

# NOTE

- ALL DIMENSIONS ARE IN MILLIMETERS, LEVELS AND CO-ORDINATES ARE IN METERS.
- ELEVATION (±)0.00 CORRESPONDS TO FINISHED GROUND LEVEL AND THAT REFERS TO RL 100.300M.
- ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. DO NOT SCALE THE DRAWING.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH FOUNDATION LAYOUT DRAWING NO:KEC-SB937-GRL-90-0002 (LATEST REVISION).
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS BELOW:
  - BASE 50MM (ALL SIDES)
  - COLUMN 40MM
  - WALL FACE IN CONTACT WITH WATER 40MM
  - WALL FACE AWAY FROM FACE OF WATER 25MM
- ALL STRUCTURAL CONCRETE SHALL BE OF M20 GRADE.
- REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BAR OF GRADE Fe-500 CONFORMING TO IS1786-1985.
- ALL LAPS SHALL BE STAGGERED AND LAP LENGTH SHALL BE 50 TIMES THE DIAMETER OF BAR.
- WATER NOT TO BE FILLED IN TANK UNTILL TOP LIFT HAS BEEN CAST & CURED.
- INTEGRAL WATER PROOFING COMPOUND SHALL BE ADDED WHILE CONCRETING AS PER MANUFACTURER'S RECOMMENDATIONS.
- ALL INSERTS, NOZZLES, PIPES SLEEVES ETC. SHOWN IN DRAWING ARE INDICATIVE ONLY SHALL BE PLACED IN POSITION BEFORE CONCRETING AFTER FIREFIGHTING REQUIREMENTS.
- PURLINS SHALL BE MANUFACTURED AFTER EXACT MEASUREMENT AT SITE.
- ALL BRICK WALLS ARE 230MM THK.

## LEGEND

FGL	- FINISHED GROUND LEVEL.
TOC	- TOP OF CONCRETE.
TORW	- TOP OF RETAINING WALL.
TOSW	- TOP OF BRICK WALL.
TOWM	- TOP OF WATER MAXIMUM LEVEL.

## REFERENCE DRAWINGS

- KEC-SB937-GRL-01-1001 - OVERALL GENERAL ARRANGEMENT LAYOUT PLAN.
- KEC-SB937-GRL-90-0002 - OVERALL FOUNDATION LAYOUT.

## SCHEDULE OF NOZZLES AND ACCESSORIES

MARK	SIZE	DESCRIPTION	NOS.	LEVEL
N1, N2	100 NB	WATER INLET	ONE EACH	+4.300
N3, N4	80 NB	DRAIN	ONE EACH	+0.250
N5, N6	100 NB	OVER FLOW	ONE EACH	+4.500
N7, N8	25 NB	HIGH LEVEL SWITCH	ONE EACH	ON ROOF
N9, N10	25 NB	LEVEL INDICATOR	ONE EACH	ON ROOF
N11, N12	100 NB	RECIRCULATION	ONE EACH	+4.950
N13, N14	250 NB	COMBINED PUMP SUCTION	ONE EACH	+0.900

**Bihar State Power  
Transmission Company  
Limited (BSPTCL)**

**Title: FFPH - WATER RESERVOIR  
REINFORCEMENT DETAILS**

**Drg.No.:- CD\_FFPHWRES\_07-01**

**Scale:**  
1:100

**Sheet:**  
01 OF 03